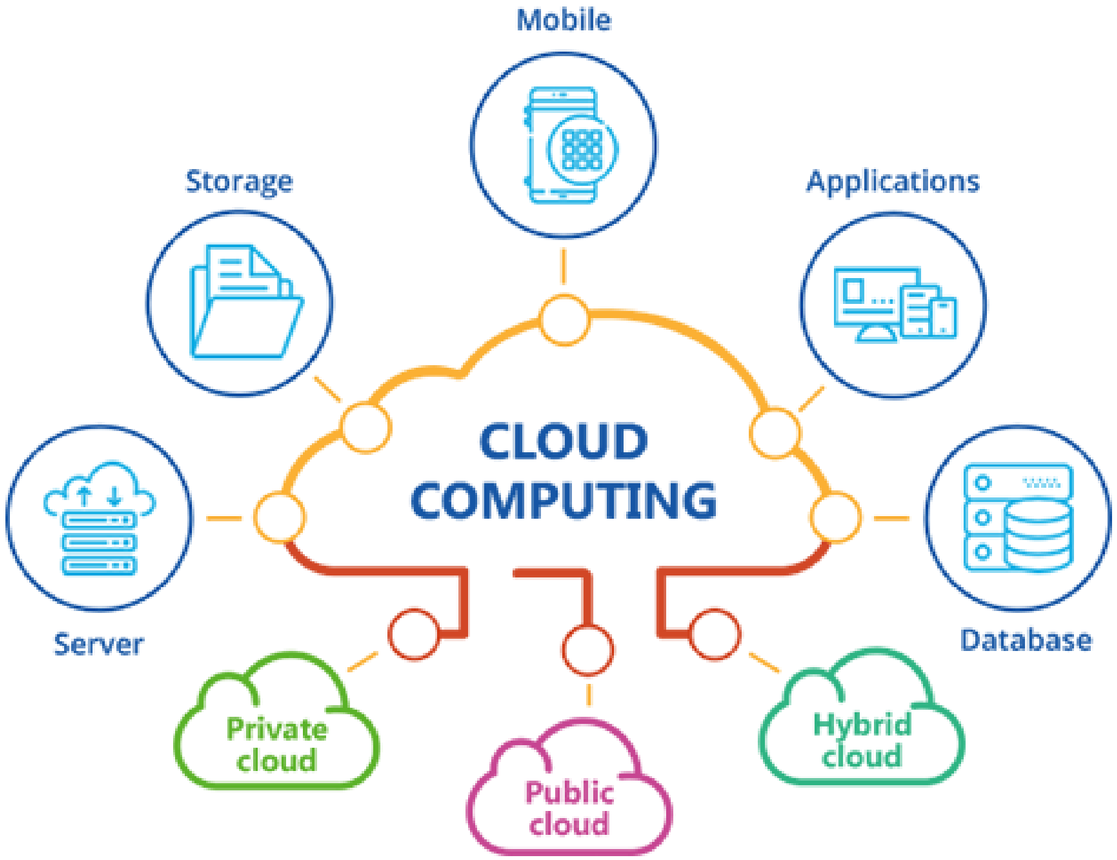
Cloud Computing

Amazon Web Services

Introduction

- Cloud Computing is a delivery model of computing services over the internet.
- on-demand delivery of compute power, database storage, applications and other resources
- pay-as-you-go pricing model



Cloud Providers

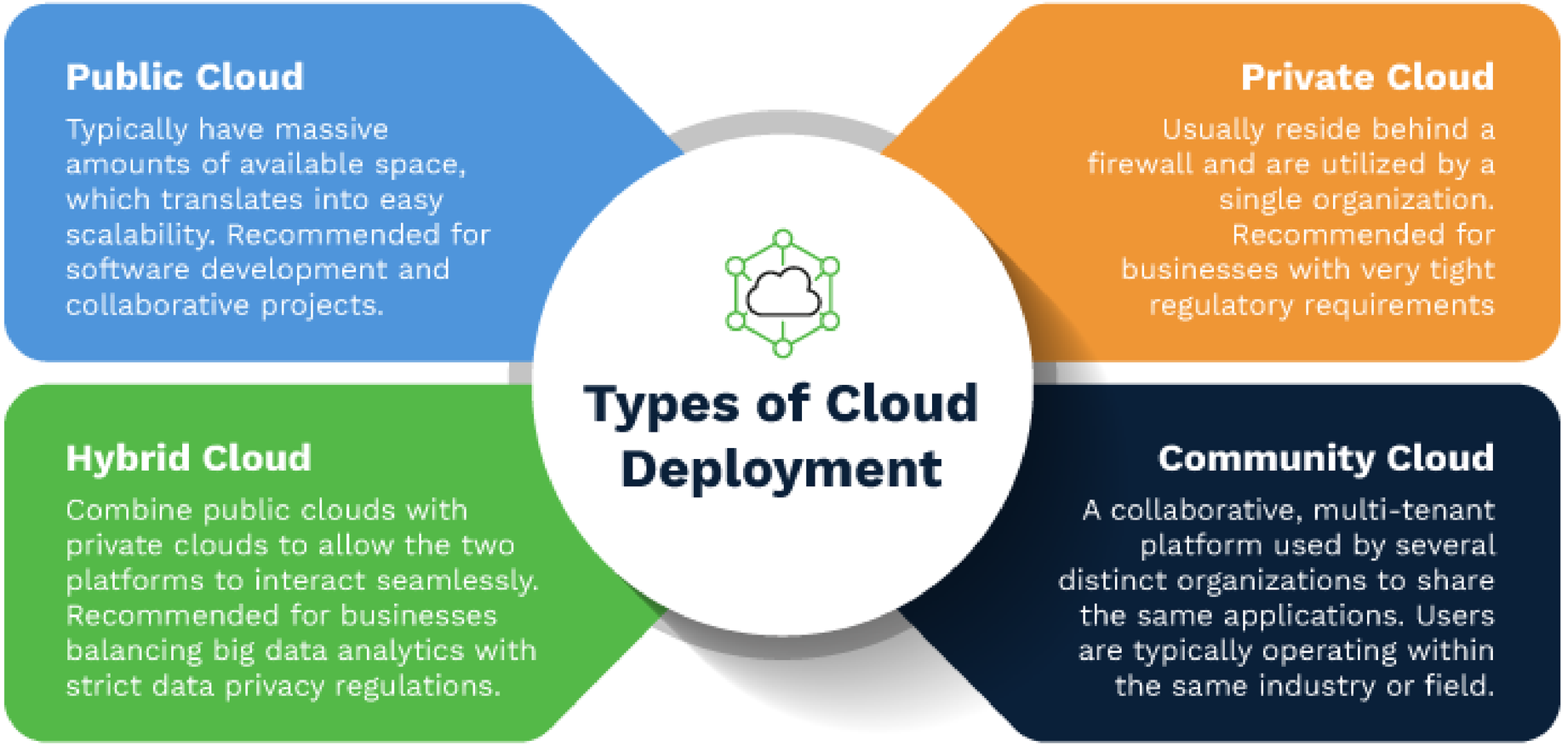
- Amazon Web Services – AWS
- Microsoft Azure
- Google Cloud Platform – GCP
- AliYun
- Oracle
- IBM
- RackSpace
- GoDaddy

Why Cloud Computing?

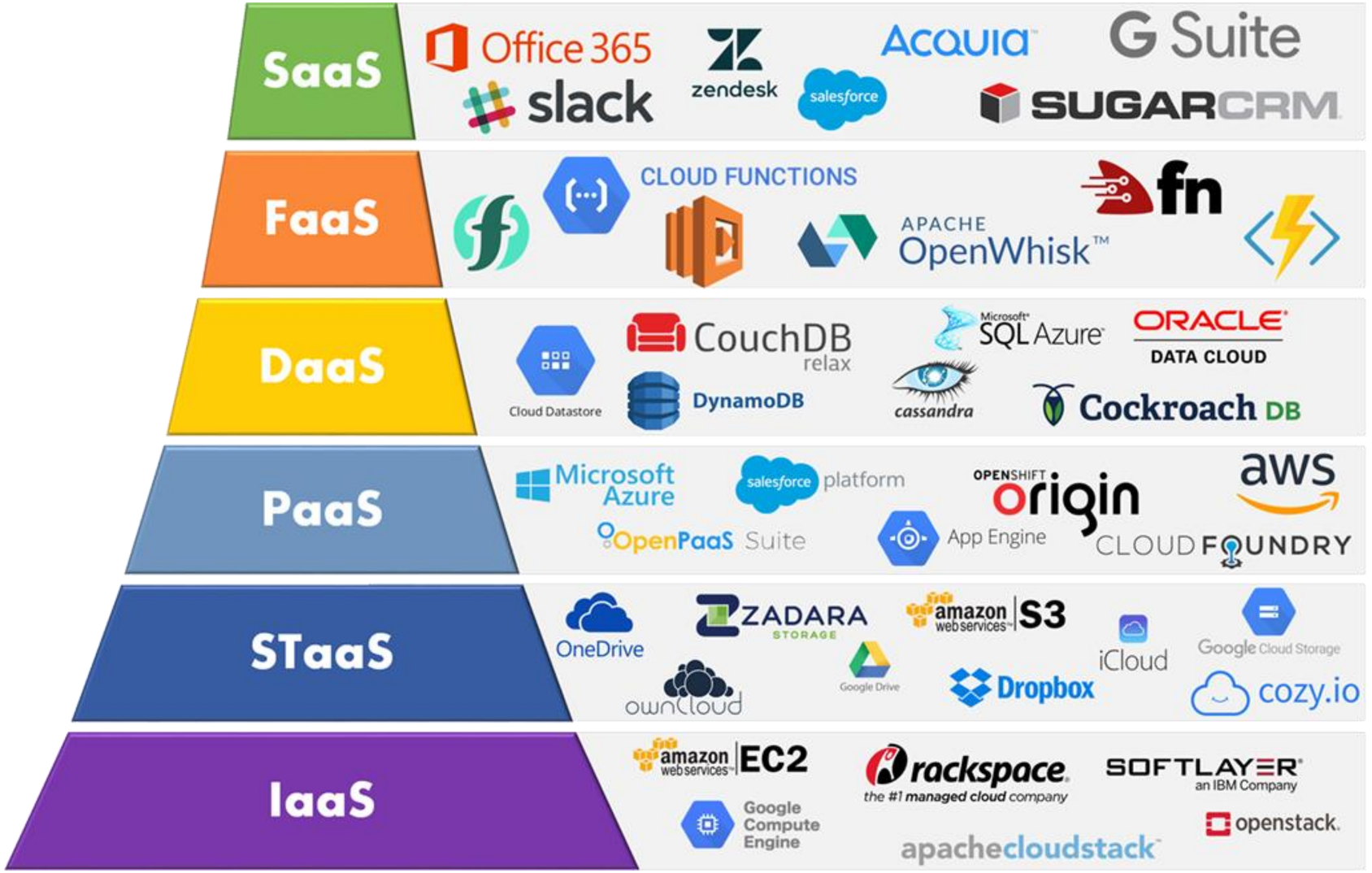
The five essential characteristics of cloud computing are:

- On-Demand Self Services
- Broad Network Access
- Location Independent Resource Pooling
- Rapid Elasticity
- Measured Pay per use Service

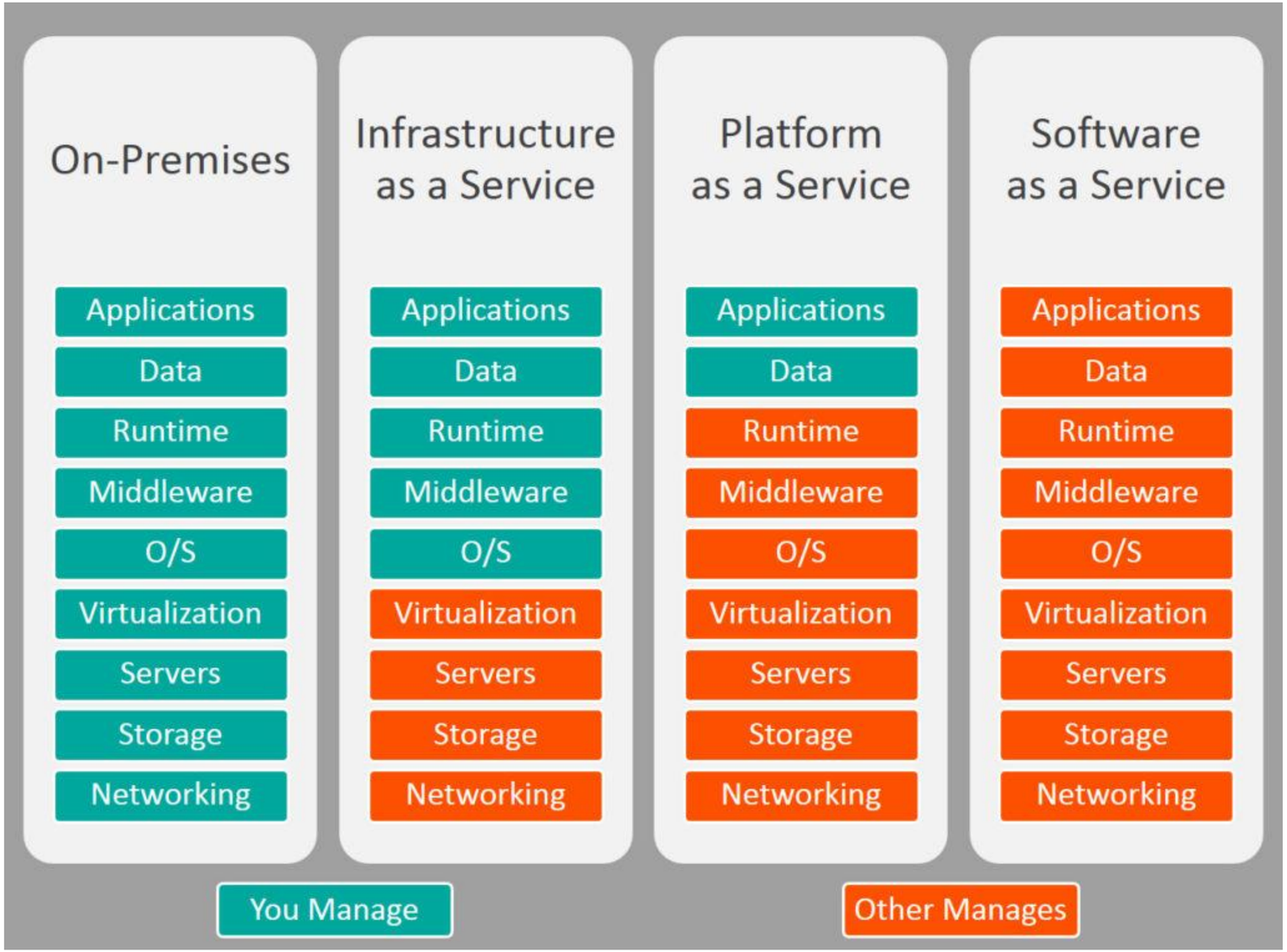
Cloud Deployment Models:



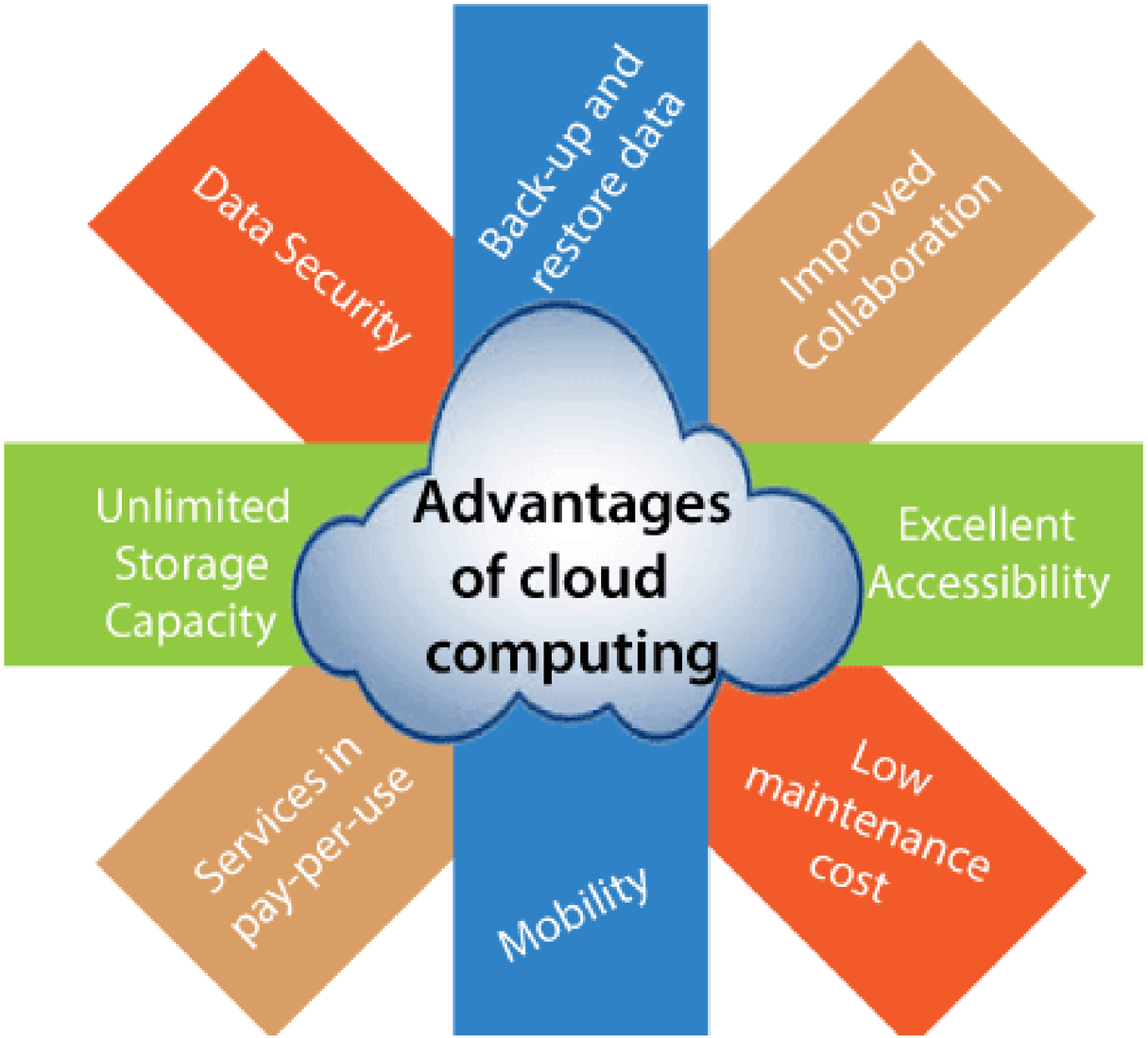
Types of Clouds:



IaaS vs PaaS vs SaaS



Advantages


Advantages of cloud computing
Data Security
Back-up and restore data
Improved Collaboration
Unlimited Storage Capacity
Excellent Accessibility
Services in pay-per-use
Mobility
Low maintenance cost